

SUPPLEMENTAL AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Application No. 10/701,020

AMENDMENTS TO THE CLAIMS

LISTING OF CLAIMS:

In accordance with 37 C.F.R. § 1.173(b)(2), for each claim that is being amended *by the amendment being submitted* (the current amendment), the entire text of the claim is presented with markings as required:

The entire text of the claim is present with markings as required:

10. (Three Times Amended) A method for producing an R-T-B based R-T-B-based, rare earth sintered magnet having a main component composition comprising 28-33 weight % of R and 0.8-1.5 weight % of B, the balance being substantially T, wherein R is at least one rare earth element including Y, and T is Fe or Fe and Co, said rare earth sintered magnet having an oxygen content of 0.3 weight % or less, a carbon content of 0.10 weight % or less and a nitrogen content of 0.15 weight % or less based on the total weight of the magnet, a density of 7.56 g/cm³ or more, and a coercivity iHc of 1.1 MA/m or more (14 k0e) at room temperature, said method comprising the steps of finely pulverizing an alloy for R-T-B-based, rare earth sintered magnet to an average particle size of 1-10 µm in a non-oxidizing atmosphere; introducing the resultant fine powder into a mixture liquid comprising 99.7-99.99 parts by weight of at least one oil selected from the group consisting of a mineral oil, a synthetic oil and a vegetable oil and 0.01-0.3 parts by weight of a nonionic surfactant and/or an anionic surfactant; subjecting the resultant slurry mixture to molding in a magnetic field; and carrying out oil removal, sintering and heat treatment in this order.